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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,170	10/30/2003	Sei-Hyung Ryu	5308-279	2502
20792 75	590 07/12/2005		EXAMINER	
MYERS BIGEL SIBLEY & SAJOVEC			TRAN, LONG K	
PO BOX 37428 RALEIGH, NC 27627			ART UNIT	PAPER NUMBER
101211011, 110 27027			2818	
			DATE MAILED: 07/12/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applica	ant(s)			
Office Action Summary		10/698,170	RYU, S	RYU, SEI-HYUNG			
		Examiner	Art Uni	it			
		Long K. Tran	2818				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPI MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication e period for reply specified above is less than thirty (30) days, a re period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, howev ply within the statutory minin d will apply and will expire SI tte, cause the application to I	er, may a reply be timely filed num of thirty (30) days will be co X (6) MONTHS from the mailing become ABANDONED (35 U.S.	insidered timely. It date of this communication. C. § 133).			
Status							
1)⊠	1) Responsive to communication(s) filed on <u>30 October 2003</u> .						
2a) <u></u> ☐	This action is FINAL . 2b) Th	is action is non-final					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4) ☐ Claim(s) 1 - 60 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1 - 60 are subject to restriction and/or election requirement.							
Applicat	ion Papers			•			
9)[The specification is objected to by the Examir	ner.					
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (under 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures See the attached detailed Office action for a list	nts have been receivents have been receiverity documents have au (PCT Rule 17.2(a	ved. ved in Application No ve been received in this a)).				
Attachmen	ıt(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice 3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date	8) 5) D	aper No(s)/Mail Ďate. lotice of Informal Patent App lther:	, _ •			

Election/Restrictions

Claims 1 - 60 are pending in this application.

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Group I. Claims 1 – 30, drawn to a semiconductor device, classified in class 257, subclass 77.

Group II. Claims **31 – 60**, drawn to process of making a semiconductor device, classified in class **438**, subclass **105**, **931**.

2. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of following can be shown: (1) that the process as claimed can be use to make other and materially different product or by hand, or (2) that process as claimed can be made by another and materially different process. (MPEP § 806.05(f)). In the instance case unpatentabilities of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be made by the processes materially different from those of the group II invention, for example, in claim 35, defusing aluminum in the p-type silicon carbide.

- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the fields of search are not co-extensive. Therefore, separate examination would be required and restriction for examination purposes as indicated is proper.
- 4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventor-ship must be amended in compliance with 37 CFR 1.48(b) if one

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or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventor-ship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long K. Tran whose telephone number is 571-272-1797. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LKT

July 07, 2005